

Amendments to the Claims:

1. (Currently Amended) A wireless device comprising:
a logic unit connecting the device to a plurality of terminals in a short distance wireless network; and
a logic unit providing the terminals in the short distance wireless network with simultaneous access to a plurality of services in a wide area network.
~~a memory capable to store a software component for simultaneously attaching a short distance wireless network to a wide area network having a first address providing a first service and a second address providing a second service; and~~
~~a processor, coupled to the memory, capable of allowing a plurality of terminal devices to connect to the short distance wireless network, by way of the device, to concurrently obtain the first service and the second service from the wide area network, wherein the short distance wireless network is capable of being simultaneously attached to the wide area network, by way of the device, using the first address and the second address.~~
2. (Currently Amended) The device of claim 1, wherein the connecting logic unit comprises a logic unit establishing short-range LAN access profile sessions~~wherein the first and second addresses identify a domain providing respective predetermined privileges.~~
3. (Currently Amended) The device of claim 1, wherein the providing logic unit comprises a table of available~~wherein the first and second addresses are~~ access point names ("APNs").
4. (Currently Amended) The device of claim 1, wherein the device belongs to a group comprising a desktop computer, a laptop computer, a personal digital assistant, a headset, a pager, a pen, a printer, a watch, or a digital camera~~wherein the first and second addresses include a first and second port number.~~
5. (Currently Amended) The device of claim 1, wherein the ~~first service provides~~services comprise a wireless application protocol ("WAP").

6. (Currently Amended) The device of claim 1, wherein the ~~first service provides~~ services comprise access to the Internet.

7. (Currently Amended) The device of claim 1, wherein the ~~first service provides~~ services comprise a hypertext transfer ("HTTP") protocol.

8. (Currently Amended) The device of claim 1, wherein the ~~first service is~~ services comprise a multimedia messaging Service Center ("MMSC").

9. (Cancel)

10. (Cancel)

11. (Cancel)

12. (Currently Amended) The device of claim 14, wherein the short distance wireless network is an 802.11 wireless local area network ~~wherein the communicating includes the terminal transmitting an IP message including a port number.~~

13. (Original) The device of claim 1, wherein the wide area network is a Global System for Mobile communications ("GSM") cellular network.

14. (Original) The device of claim 1, wherein the short distance wireless network is a BluetoothTM wireless local area network.

15. (Cancel)

16. (Cancel)

17. (Currently Amended) ~~A method for communicating with a wide area network, comprising~~The device of claim 1, wherein the providing logic unit comprises:

a logic unit receiving a first message from a first terminal, wherein the first message includes a first address and a first port number for accessing a first service from the wide area network;

a logic unit receiving a second message from a second terminal, wherein the second message includes a second address and a second port number for accessing a second service from the wide area network; and

a logic unit simultaneously connecting to the first and second addresses in the wide area network by way of the first and second port numbers, respectively,

wherein the first and second terminals simultaneously access the first and second services, respectively.

~~generating a first short range radio message including a first address and a first port number for the wide area network, by a first terminal, in a short distance wireless network;~~

~~receiving, by way of a wireless device, the first short range radio message;~~

~~determining whether the device is attached to the first port number;~~

~~generating a signal, by way of the device, requesting a first service from the wide area network responsive to the first short range radio message;~~

~~generating a second short range radio message including a second address and a second port number for the wide area network, by a second terminal, in a short distance wireless network;~~

~~receiving, by way of the device, the second short range radio message;~~

~~determining whether the device is attached to the second port number;~~

~~generating a signal, by way of the device, requesting a second service from the wide area network responsive to the second short range radio message; and~~

~~allowing a plurality of terminal devices to connect to the short distance wireless network, by way of the device, to concurrently obtain the first service and the second service from the wide area network;~~

~~wherein the short distance wireless network is capable of being simultaneously attached to the wide area network, by way of the device, using the first address and the second address.~~

18. (Cancel)

19. (Currently Amended) The ~~method~~ device of claim 17, wherein the first and second addresses identify a domain providing respective predetermined privileges ~~wherein the wide area network is a Global System for Mobile communications ("GSM") cellular network and the first service is a WAP service and the second service is Internet access.~~

20. (Currently Amended) The ~~method~~ device of claim 17, wherein the first and second addresses are APNs ~~wherein the short distance wireless network is a BluetoothTM wireless local area network.~~

21. (Currently Amended) The ~~method~~ device of claim 17, wherein the first and second addresses are IP addresses ~~wherein the short distance wireless network is an 802.11 wireless local area network.~~

22. (Currently Amended) A method ~~for communicating with a wide area network,~~
comprising:

connecting to a plurality of terminals in a short distance wireless network; and
providing the terminals in the short distance wireless network with simultaneous access
to a plurality of services in a wide area network.

~~receiving, by way of a wireless device, a plurality of short range radio messages, from a~~
~~respective plurality of terminals, in a short distance wireless network for a plurality of respective~~
~~services in the wide area network; and~~

~~attaching simultaneously to the respective services, by way of the device, responsive to~~
~~the plurality of requests.~~

23. (Currently Amended) ~~An system for providing communication between a wide area~~
~~network and a short distance wireless network,~~ the method of claim 22, wherein the providing
comprisesing:

receiving a first message from a first terminal, wherein the first message includes a first
address and a first port number for accessing a first service from the wide area network;

receiving a second message from a second terminal, wherein the second message includes a second address and a second port number for accessing a second service from the wide area network; and

simultaneously connecting to the first and second addresses in the wide area network by way of the first and second port numbers, respectively,

wherein the first and second terminals simultaneously access the first and second services, respectively.

~~a first wireless device comprising:~~

~~a first transceiver to communicate with the wide area network;~~

~~a second transceiver to communicate with the short distance wireless network, including to receive a first short range radio message having a first address and a second short range radio message having a second address; and~~

~~a memory, coupled to the first and second transceivers, to store a software component to simultaneously transfer a plurality of packets to the first address and the second address responsive to the first and second short range radio messages; and~~

~~a second wireless device to generate the first and second short range radio messages.~~

24. (Cancel)

25. (Currently Amended) A computer program product comprising a computer useable medium having logic code stored thereon, wherein the logic code when executed on a computer causes the computer to:

connect to a plurality of terminals in a short distance wireless network; and

provide the terminals in the short distance wireless network with simultaneous access to a plurality of services in a wide area network.

An article of manufacture, including a computer readable medium, comprising:

a first short range radio software component to provide a short range radio signal in a short distance wireless network;

a second software component to provide a communication signal in a wide area network;

and

~~a third software component to simultaneously transfer a plurality of packets between the short distance wireless network and the wide area network, by way of a device, responsive to a first short range radio message including a first address and first port number and a second short range radio message including a second address and a second port number.~~

26. (New) The computer program product of claim 25, wherein the logic code when executed on a computer further causes the computer to:

receive a first message from a first terminal, wherein the first message includes a first address and a first port number for accessing a first service from the wide area network;

receive a second message from a second terminal, wherein the second message includes a second address and a second port number for accessing a second service from the wide area network;

simultaneously connect to the first and second addresses in the wide area network by way of the first and second port numbers, respectively; and

wherein the first and second terminals simultaneously access the first and second services, respectively.